

INTERNATIONAL SEARCH REPORT

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| International Application No PCT/EP 03/13563 |
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| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C67/08 C07C69/24 |
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| According to International Patent Classification (IPC) or to both national classification and IPC |
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| B. FIELDS SEARCHED |
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| Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C |
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| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched |
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| Electronic data base consulted during the international search (name of data base and, where practical, search terms used) |
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| EPO-Internal, WPI Data |
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| C. DOCUMENTS CONSIDERED TO BE RELEVANT |
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| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | EP 0 474 996 A (HUELS CHEMISCHE WERKE AG) 18 March 1992 (1992-03-18) cited in the application the whole document — | 1-12 |
| X | DATABASE WPI Section Ch, Week 199339 Derwent Publications Ltd., London, GB; Class A60, AN 1993-309881 XP002278667 & SU 671 223 A (DYSLOVOI V I), 23 October 1992 (1992-10-23) abstract — | 1-12 |
| X | EP 0 141 975 A (HUELS CHEMISCHE WERKE AG) 22 May 1985 (1985-05-22) page 2, line 1-32 claim 1 — | 1-12 |

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| <input type="checkbox"/> Further documents are listed in the continuation of box C. | <input checked="" type="checkbox"/> Patent family members are listed in annex. |
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* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

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| Date of the actual completion of the international search | Date of mailing of the international search report |
| 30 April 2004 | 07/06/2004 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Goetz, G |

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Information on patent family members

| | |
|------------------------------|--|
| International Application No | |
| PCT/EP 03/13563 | |

| Patent document cited in search report | Publication date | | Patent family member(s) | Publication date |
|--|------------------|----|-------------------------|------------------|
| EP 0474996 | A 18-03-1992 | DE | 4027639 A1 | 05-03-1992 |
| | | DE | 59100505 D1 | 25-11-1993 |
| | | EP | 0474996 A1 | 18-03-1992 |
| | | US | 5177229 A | 05-01-1993 |
| SU 671223 | A 23-10-1992 | SU | 671223 A1 | 23-10-1992 |
| EP 0141975 | A 22-05-1985 | DE | 3337101 A1 | 02-05-1985 |
| | | DE | 3470733 D1 | 01-06-1988 |
| | | EP | 0141975 A2 | 22-05-1985 |
| | | ES | 8507458 A1 | 16-12-1985 |